

In the Claims

1. (original) A tool for cutting machining, in particular in the form of a drill rod, having a holder (10) which on one of its ends has a fastening shank and on the other a seat (12) for a replaceable cutting element (16) having a supporting component (18) which is engaged at least partly in the seat (12) when in the fastened state, and having a machining component (20), it being possible to fasten the supporting component (18) in the seat (12) by clamping by means of a fastening component (22) and the seat (12) having a support area (28), and in addition to the support area (28) an adjustment area (30), it being possible to move the two areas (28, 30) toward or away from each other by means of the fastening component (22) for the purpose of carrying out a process of fastening or replacing the cutting element (16), the seat (12) being slotted in the direction of the fastening shank for the purpose of forming the support area (28) and the adjustment area (30), and elastic relative movement of the two areas (28, 30) being made possible by way of the respective slot (32), which on one side communicates with the exterior, characterized in that the support area (28) has support surfaces (34) convergent toward each other which support surfaces (34) may be brought into contact with contact surfaces (36) designed to be correspondingly convergent on the supporting component (18), in that the adjustment area (30) with its adjustment surface (38) extends transversely to the support surfaces (34) of the support area (28) and accordingly acts on another contact surface (40) on the supporting component (18), and in that the fastening component (22) has a fastening sleeve (42) with internal threading (44), which fastening sleeve (42) may be screwed onto external threading (46) of the holder (10) with which the respective slots (32) of the seat (12) communicate.

2. (original) The tool as claimed in claim 1, wherein the fastening sleeve (42) after having been screwed on forms a clamping surface (48) which narrows as it converges toward the machining component (20) of the cutting element (16), such clamping surface (48) interacting, when the cutting element (16) is clamped in the holder (10), with a correspondingly narrowing circumferential surface (50) of the seat (12) through which the slots (32) of the seat (12) extend.

3. (original) The tool as claimed in claim 2, wherein the interior surface (52) faces in its longitudinal direction at least the interior surface (52) of the adjustment area (30) which faces the supporting component (18) of the cutting element (16) designed to be crowned to form a convex clamping surface.

4. (presently amended) The tool as claimed in ~~one of~~ claims 1 to 3, wherein the central area of the fastening sleeve (42) rests on the external threading (46) of the seat (12) by way of its internal threading (44) and at its free ends both on the front external circumference (54) of the seat (12) and on the front area (56) of the holder (10).

5. (presently amended) The tool as claimed in ~~one of~~ claims 1 to 4, wherein the adjustment surface (38) of the adjustment area (30) is curved so as to be concave and wherein the other contact surface (40) of the supporting component (18) of the cutting element (16) is more greatly curved convexly than the adjustment surface (38) which may be brought into contact is curved concavely.

6. (presently amended) The tool as claimed in ~~one of~~ claims 1 to 5, wherein the convergent support surfaces (34) of the support area (28) are interconnected by their ends opposite each other by way of a connecting area (62) the wall thickness of which is smaller than the wall thicknesses selected for the support area (28) in the area of its support surfaces (34).

7. (presently amended) The tool as claimed in ~~one of~~ claims 1 to 6, wherein the seat (12), as seen in cross-section, is made up to the extent more or less of two-thirds of the supporting component (28) and to the extent of one-third of the adjustment area (30).